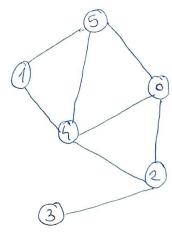
1/ determination Torrel

Undirected Groph

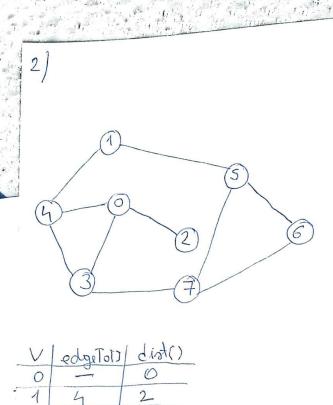
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1) DFS:0

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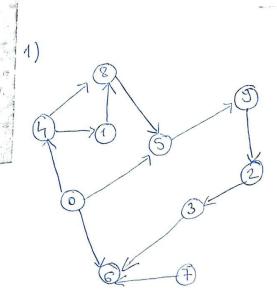
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3/3/2

1) DFS:0	2) DFS: 1
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3)	OFS.	5	
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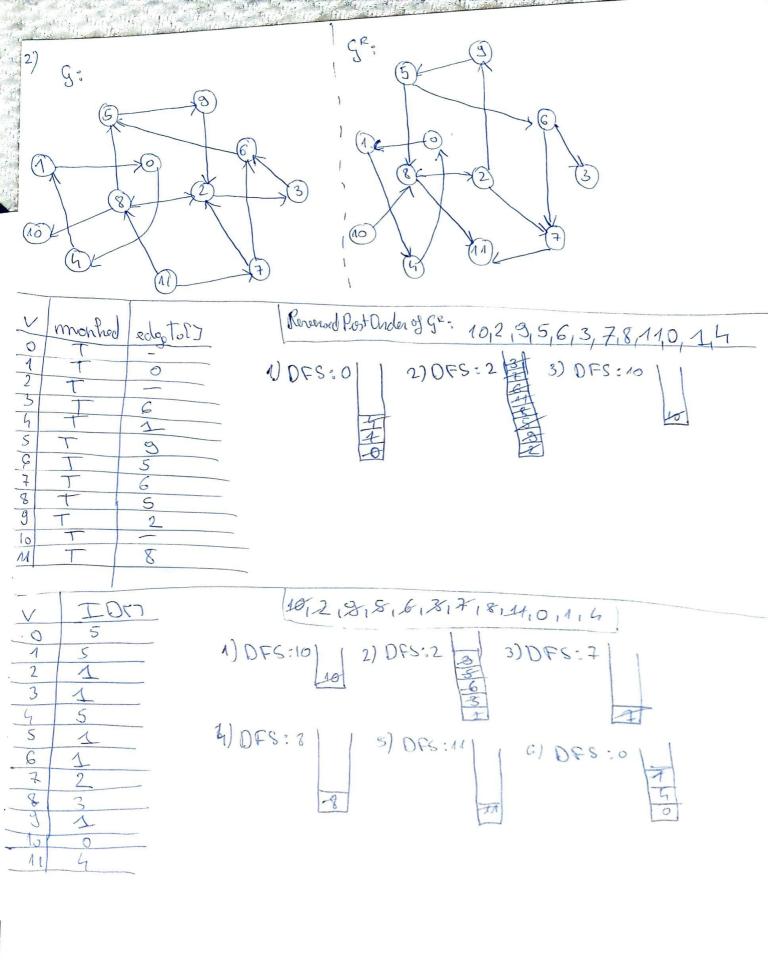
Directed Gropes



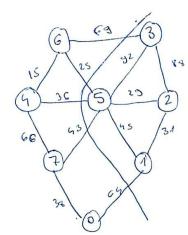
TPS:	7,0,4,1,8,5,9,2,3,6
1) DFS: 0 1 1 3 1 3 1 5	2) OFS: 7

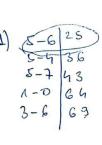
TPS: 7,0,4,1,8,5,3,2,3,6

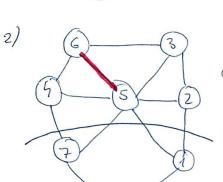
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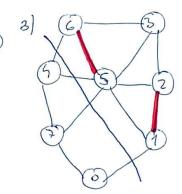
MST=5-6, 1-2,4-6,1-2,7-5,3-6,0-7



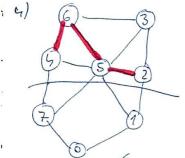




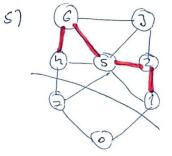
1-2	31
7-5	43
1-5	45
7-4	66



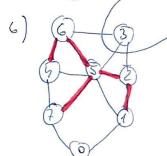
(h-6	15
4-5	
7-5	93
0-1	65



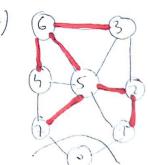
(1-2	31
7-5	43
1-5	45
7-4	6€
1	



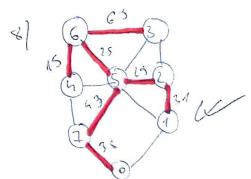
7-5	43
0-1	64
7-4	66

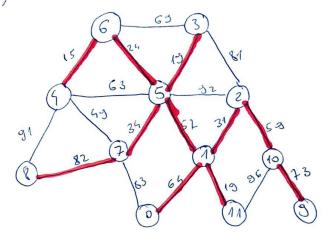


3-6	63
3-2	88
3 -5	37
/	



,

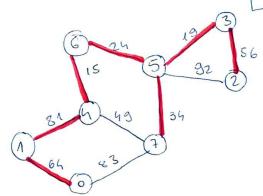




MST: 4-6,3-5,1-11,5-6,1-2,5-7,1-5,2-10,0-1,
3-10,7-8

4-61	15
3-5	19)
1-11	19
8-6	24
1-2	31
(5-7	39
4-7	49 X
1-5	57
2-10	59
4-5	63 X
0-1	
3-6	637
9-10	1 7 3
2-3	1817
(100	8 85
0 -	7 837
4-	8 31 x
2-	5 32 x
10	-11 36 X

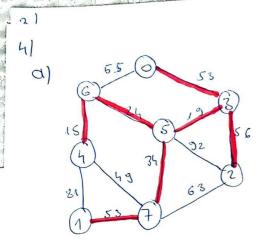




$$\frac{4-7}{3-2}$$
  $\frac{43}{56}$   $\frac{3-2}{3-7}$   $\frac{56}{83}$   $\frac{3-2}{5-2}$   $\frac{92}{92}$ 

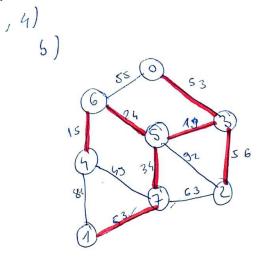
1/ 1-17 - 1 -1. 7-521

MST 30-3, 3-5, 5-6, 6-4, 5-7, 7-1, 3-2,



6)

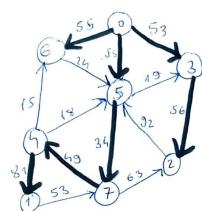
MST: 0-313-5, 5-6, 6-4, 5-7,7-1,3-2



4) 
$$0-3 | 53 \rangle | 2| | 3-5 | 19 \rangle | 3| | 5-6 | 2h \rangle | 5-7 | 34 \rangle | 3-2 | 56 \rangle | 5-7 | 34 \rangle | 3-2 | 56 \rangle | 3-2$$

7) 3-2 56

## Winimum Shortst Palls Trees



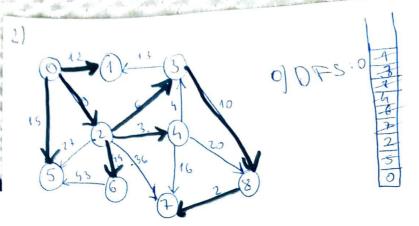
1)

	8	1) 53	7	63910	
	V	Clist To F	7	edgetox7	Y
	0	0	3		7
	1	113		h 71	1
	2		1	0-33	Iv
-	3	53	L		
-	4	138		チッケ	r
	5	55		0-75	1
-		55	_	0-76	~

89

1) V: 0 2) V: 3 3) V: 3	, ,
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7) V: 4	8) V: 1
4-716	1-3 7 x
1 202	



5) V:1

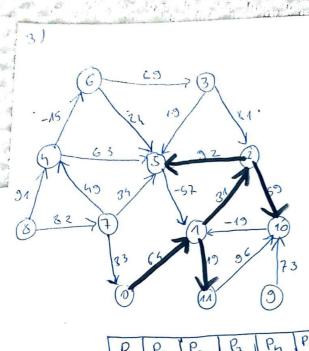
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lonal	Davis 1	Dodo	•
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01	2	4	3,1	18	6	7	5
_ 1		- '					

6) V: 8

V	dist To?	7 edge To C7
O	0	_
1	12	071
2	3	0-72
3	15	2->3
4	12	2->4
5	15	Ø→5
6	53	2-76
7	45 28 27	2-77 4-77 8-77
8	25	3-78

6-75X



*							
	Po	Pa	P2	P2	Pn	P Pv	
0-31	V	×			-	-	
17-72	V	X		_			
1-711	V	X		+		-	
2-75	V	X		1		1	f
2-710	V	X				-	-
3-> 2	×	X					+
3-75	X	×		-		_	_
h-> 5	×	×					+
• 4->6	X	×		-			_
5-71	X	X					
6->3	X	X					1
6-75	X	X					
1-70	X	X					
7->4	χ	X					
7-75	X	X					
874	×	>					
877	χ	X					
3-710	X	×					<u></u>
10-71	7 /	1					
11-710	X	X					
			1				

Inter Tay of		Man and the second second
V 0 1 2	64 35	edge TOIX
3 4 5 6 7	(87	2->> 5
-	2) 10 154 11 83	2-710